

WE CLAIM:

1. A method for decreasing a sessile bivalve population in a body of water or a water conduit, comprising directing water containing sessile bivalve eggs, larvae, and/or mussels through one or more channels comprising one or more hydrophytes.
2. The method of claim 1, wherein said sessile bivalve is selected from the group consisting of *Dreissena polymorpha*, *Dreissena bugensis*, *Limnoperna fortunei*, and *Limnoperna siamensis*.
3. The method of claim 1, wherein said hydrophyte is selected from the group consisting of cress, Japanese parsley, morning glory, aquatic morning glory, water chestnut, taro, calla, forget-me-not, Luisiana iris, pontederia, Pickerel weed, mint, water feather, Dropwort, Loosetrife, Pak-Bung, swamp cabbage, water spinach, wildrice, Limnophila, Edible Jute, Cucharita-parrot leaf, Taro, Screw pine, Creeping jenny, Loosestrife, Zebra rush, Dwarf cattail, Water hyssop, Water Irises, Ophiopogon, Acorus gramineus, Acorus calamus, Canna, Melon sword, Bluebell, Arrowhead, Water poppy, Water lettuce, Water hyacinth, Water pennywort, Heliconia, Parrot feather, Red Bacopa, Giant Bacopa, star grass, umbrella palm, and dwarf papyrus.
4. The method of claim 1, wherein said hydrophyte is watercress.
5. The method of claim 1, wherein said channel is about 10 to about 20 meters long.

6. The method of claim 1, wherein water flows through said channel at a flow rate of about 0.2 m/minute to about 3 m/minute.
7. The method of claim 1, wherein said channel is installed in the ground.
8. The method of claim 1, wherein said channel is attached to a float.
9. The method of claim 1, wherein said channel is about 1 to about 10 m wide.
10. The method of claim 1, wherein the water depth in the channel is about 2 cm to about 15 cm.
11. The method of claim 1, wherein said directing is accomplished by a water pump.
12. The method of claim 1, wherein roots of said hydrophyte create a root mat.
13. The method of claim 1, wherein the depth of said root mat is about 1 to about 10 centimeters.
14. The method of claim 1, further comprising adding 0.1 mg/liter to 0.5 mg/L chlorine and/or bromine to said water.

15. The method of claim 1, wherein said body of water is a fresh water body of water.
16. The method of claim 1, wherein said body of water comprises salt at a concentration of 0.6 - 1%.
17. The method of claim 1, wherein the water depth in the channel is about 40 cm to about 60 cm.
18. The method of claim 1, wherein said channel further comprises an organism from the phylum, class, subclass or order selected from the group consisting of Ciliophora, Spirotricha, Peritricha, Rotatoria, Collothecacea, Ploima, Bdelloida, Crustacea, Branchiopoda, Cladocera, Ostracoda, Copepoda, Eucopepoda, Decapoda, Annelida, Oligochaeta, Gastropoda, Prosobranchia, Pulmonata, Hirudinea, Rhynchobdellida, and Gnathobdellida.